Subject: [-mm PATCH 0/10] Memory controller introduction (v7)
Posted by Balbir Singh on Fri, 24 Aug 2007 15:19:48 GMT
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Hi, Andrew,

Here's version 7 of the memory controller (against 2.6.23-rc2-mm2). I was told "7" is a lucky number, so I am hopeful this version of the patchset will get merged ;)

The salient features of the patches are

a. Provides *zero overhead* for non memory controller users
b. Enable control of both RSS (mapped) and Page Cache (unmapped) pages
c. The infrastructure allows easy addition of other types of memory to control
d. Provides a double LRU: global memory pressure causes reclaim from the
   global LRU; a container on hitting a limit, reclaims from the per
   container LRU

The documentation accompanying this patch has more details on the design and usage.

Changelog since version 6

1. Port to 2.6.23-rc3-mm1
2. Add new documentation

Tested the patches (with config disabled) and kernbench, lmbench on an x86_64 box.

For more detailed test results, comments on usage and detailed changelog please see version 6 of the patches

http://lwn.net/Articles/246140/

series

mem-control-res-counters-infrastructure
mem-control-setup
mem-control-accounting-setup
mem-control-accounting
mem-control-task-migration
mem-control-lru-and-reclaim
mem-control-out-of-memory
mem-control-choose-rss-vs-rss-and-pagecache
mem-control-per-container-page-referenced
mem-control-documentation

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Warm Regards,
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